Einzige Unterschied K5 → K5A!
K5 Analog (Zeiger) 309539 } Meter
K5A Leuchtband }

LUXM - 00176

SERVICE MANUAL

LUXMAN STEREO CASSETTE DECK K-5A

Riemensatz
1× 42A43303U01 Counter Belt 306037
1× 42A44234P01 Main Belt 306038
1× 42A44237P01 Pulley Belt 306039

R/P Switch 40T44493P01 2× 303015

Pinch Roller 01A44335P01
306225

PL 1 309637
IDLER 49A44229 P01 Links
228 P01 Rechts

–Elnstic 306714 –

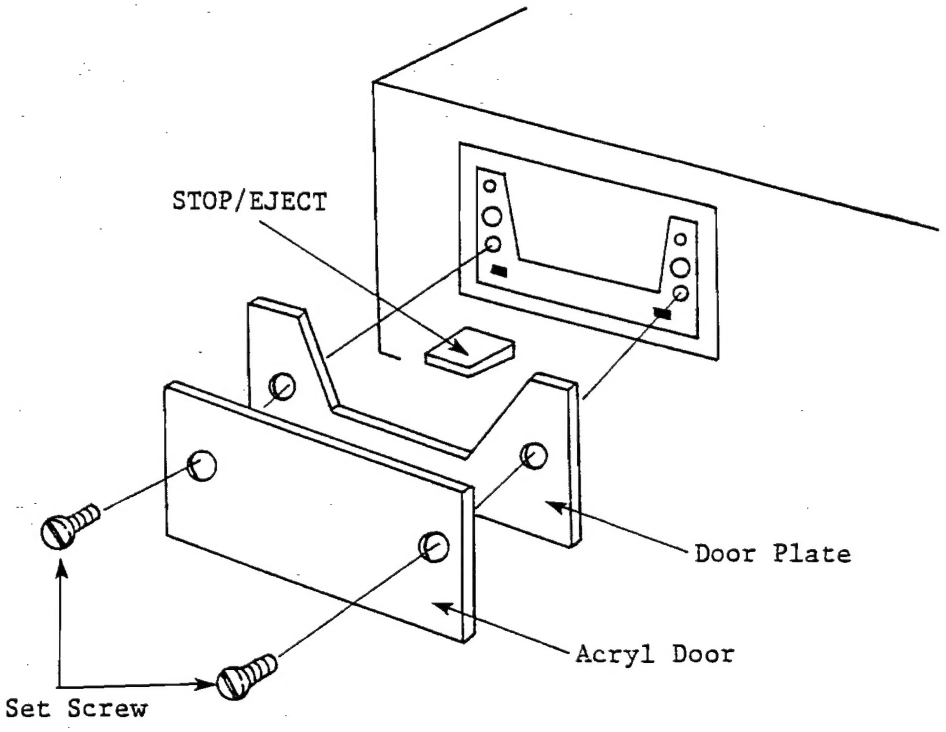
A/W 88T40140F01 E.Typ 310319

Step		Adjusting Point	Test Point	Connection	Remarks
1 Head azimuth adjustment	PLAY Equalizer: NOR Dolby: OFF	"A" screw	LINE OUT	Fig. 3	Tape: MTT-114 LINE output: Max.
2 Playback output adjustment	PLAY Equalizer: NOR Dolby: OFF	VR101 VR102	LINE OUT	Fig. 3	Tape: MTT-150 LINE output: 580mV
3 FL meter adjustment	PLAY Equalizer: NOR Dolby: OFF	VR107, VR105 VR108, VR106	See FL meter	Fig. 3	Tape: MTT-150 FL meter: 0VU
4 Normal bias adjustment	RECORD Equalizer: NOR Dolby: OFF	CT101 CT102	T.P.1(Lch) T.P.1' (Rch)	Fig. 5	Input: Nothing adjust level to 35mV
5 — 1 Input adjustment	RECORD Equalizer: NOR Dolby: OFF	VR1-1 VR1-2	LINE OUT	Fig. 4	Test signal line input: 400 Hz, 300mV Adjust REC vol. to 580mV.
5 — 2 Recording current adjustment	RECORD Equalizer: NOR Dolby: OFF Bias: Cut off	VR103 VR104	T.P. 1 T.P. 1'	Fig. 5	Bias OFF:(ポイントBの配線をはずす) Adjust level to 4mV.
6 Bias readjustment	RECORD Equalizer: NOR Dolby: OFF	CT101 CT102	LINE OUT	Fig. 4	Test signal line input: 400 Hz, 300mV Adjust REC VOl until level meter registors OVU. Test signal line input: 300mV to -20 dB 14 kHz/1 kHz recording level ° OK at 14 kHz ° If 14 kHz > 1 kHz, reduce bias current. (see step 4) ° If 14 kHz < 1 kHz, increase bias current. (see step 4) Repeat the above steps.
7 Recording current readjustment	RECORD Equalizer: NOR Dolby: OFF	VR103 VR104	LINE OUT	Fig. 4	Test signal line input: 400 Hz, 300mV Adjust REC vol to 580mV Recording level: ° OK at 580mV ° If recording level is less than 580mV, increase recording current. (see step 5-2) ° If recording level is more than 580mV, reduce recording current. (see step 5-2)

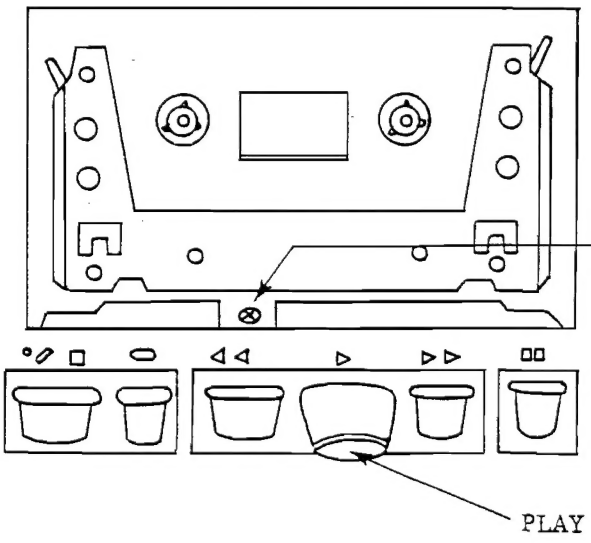
Head Azimuth Adjustment

(1) Close the cassette door, then remove the two set screws. At this point, take care not to let the door plate down. (Fig. 1)

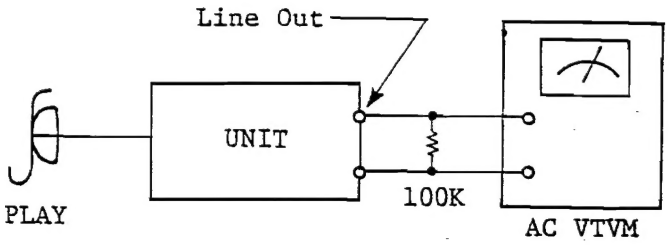
(2) Take off the door plate then depress the PLAY button, and the azimuth adjusting screw "A" will appear. (Fig. 2)



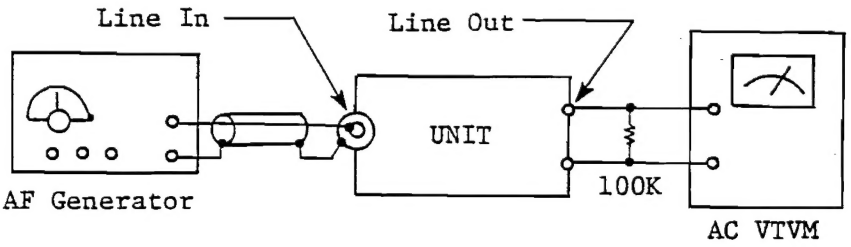
(Fig. 1)



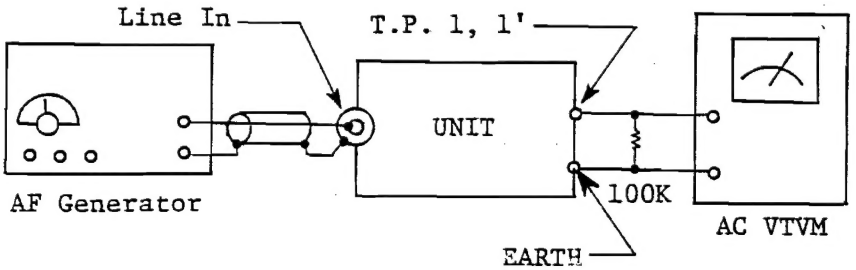
(Fig. 2)



(Fig. 3)

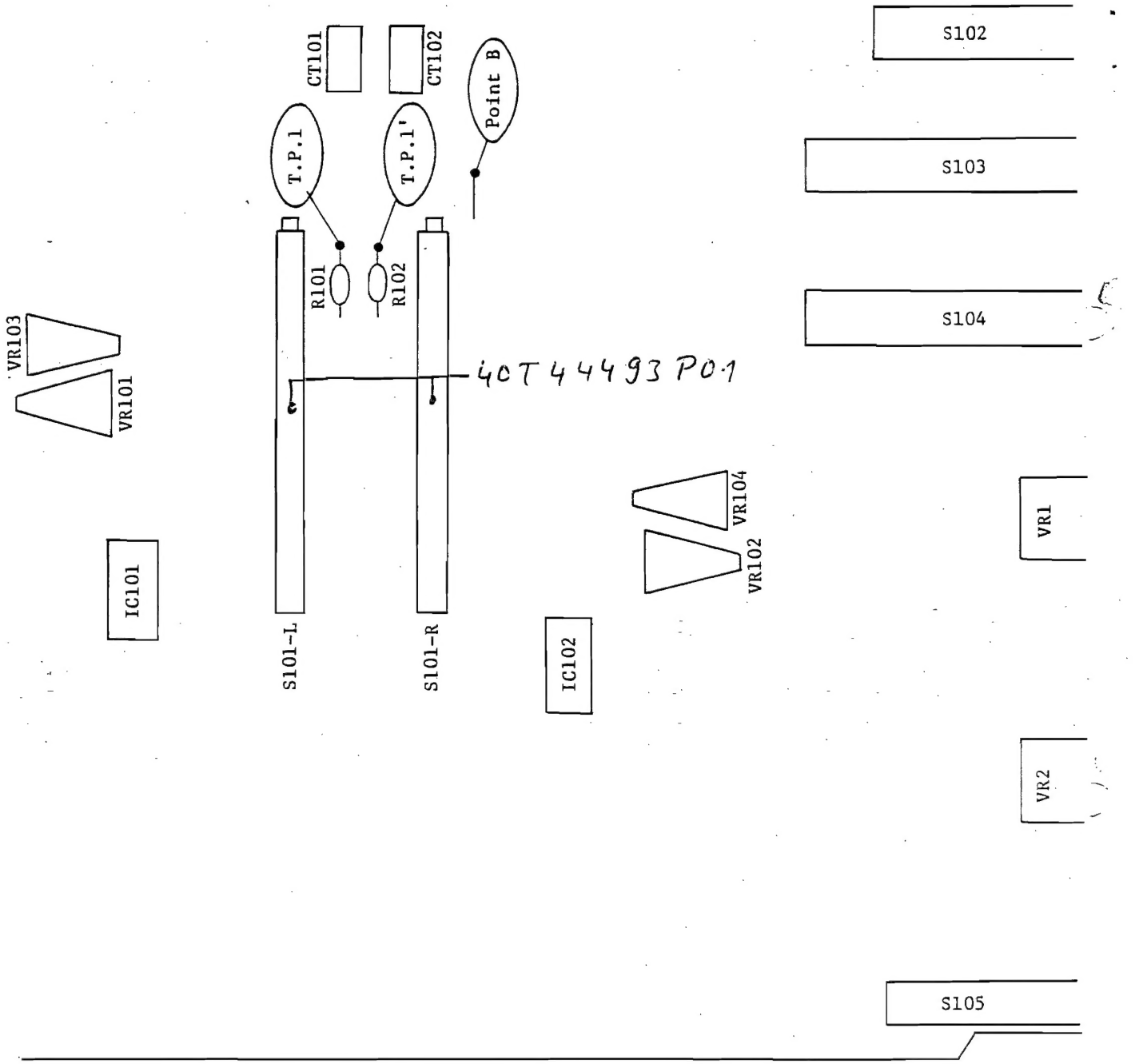


(Fig.4)



(Fig. 5)

Locations of Adjusting Points



Safety Parts List

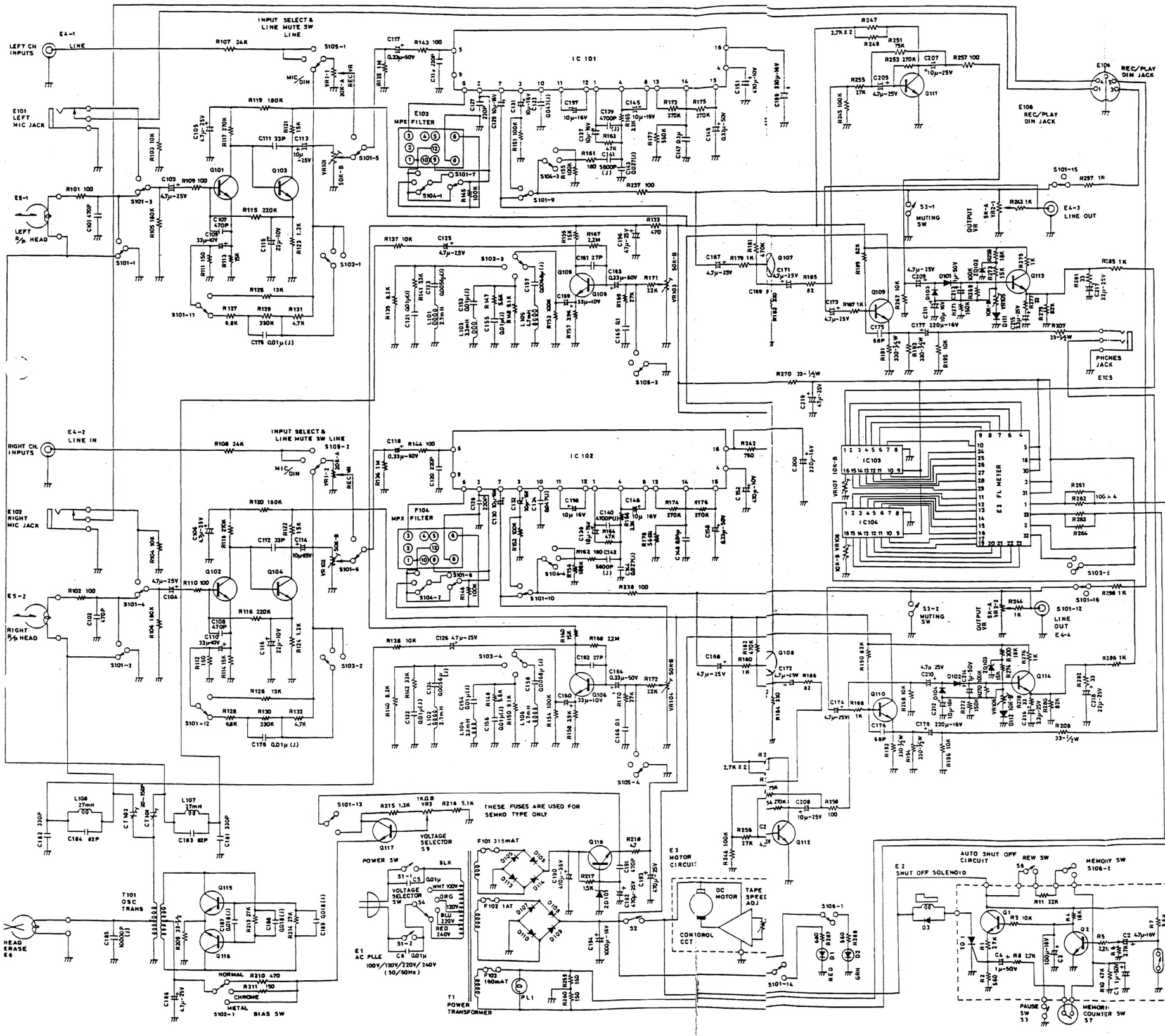
Model K-5A,

Item	SK	SG	EK	EZ	UZ	UC
Safety Standard	SEMKO, DEMKO BS, VDE, SEV	SEMKO, DEMKO, BS, VDE, SEV	None	None	UL, CSA, LA	UL, CSA LA
Destination	Europe South-East Asia	U.K. Australia New Zealand	Europe Asia	LAA, Middle & South America	LAA Middle & South America	Canada
Power Transformer	220V	240V	220V	120V	120V	120V
Power Switch	SDG5P-E SEMKO, VDE, BSI	SDG5P-E SEMKO, VDE, BSI	SDG5P-E SEMKO, VDE, BSI	SDG5P-E SEMKO, VDE, BSI	SDG1P TV-3 CSA UL	SDG1p TV-3 CSA UL
Fuse (Secondary)	SEMKO Time-Lag OLVIS	SEMKO Time-Lag OLVIS	None	None	None	None
Across the Switch Cap.	RIFA PME271Y SEV, VDE, NEMKO, SEMKO, DEMKO, ÖVE	RIFA PME271Y SEV, VDE, NEMKO, SEMKO, DEMKO, ÖVE	RIFA PME271Y SEV, VDE, NEMKO, SEMKO, DEMKO, ÖVE	RIFA PME271Y SEV, VDE, NEMKO, SEMKO, DEMKO, ÖVE	Matsushita Electric Ind. ECQ-UC UL, CSA	Matsushita Electric Ind. EQC-UC UL, CSA
Power Supply Cord	DEP-100 *1 Daiwa Electric or KP-419C *2 Kawasaki Electric	DAF-100 Daiwa Electric AS,	DEP-100 *1 Daiwa Electric or KP-419C *2 Kawasaki Electric	STP-1 Daiwa Electric UL, CSA,	STP-1 Daiwa Electric UL, CSA,	STP-1 Daiwa Electric UL, CSA
Stopper Cord	HEYCO 4N-4		HEYCO 4N-4	HEYCO 3P-4 UL, CSA,	HEYCO 3P-4 UL, CSA,	HEYCO 3P-4 UL, CSA

Note *1 VDE, SEMKO, DEMKO, NEMKO, FIMKO, KEMA, SEV

*2 VDE, SEMKO, DEMKO, NEMKO, FIMKO, KEMA, SEV

EXPLODED VIEW
K-5,5A CASSETTE MECHANISM



IC101, 102	LM1011N, NE645B
IC103, 104	BA658
Q101, 102	2SC1222, 2SC1682, 2SC1327
Q103, 104, 105	2SC900, 2SC732, 2SC644
Q106, 107, 108	
Q111	
Q112, 113, 114	
Q115, 116	2SC509, 2SC1384, 2SD467
Q117, 109, 110	
Q118	2SD2351, 2SD389, 2SD288
ZD101	1Z24, MA1240, RD24E, HZ24
ZD102, 103	HZ6A-1, HZ6A-2
D101, 102	1N60, 0A99, SD34
D103, 104	
D111, 112	VARISTOR
D105, 106	10E2 1S886 F14B
D113, 114	
D107, 108	10E1 1S1885 F14A
D109, 110	
D1	GL-9PG2
D2	GL-9PR2

NOTE

1. S101-1~S101-16
   RECORD PLAY MODE SW (PLAY POSITION)
2. S102-1
   BIAS SW (NORMAL POSITION)
3. S103-1~S103-6
   EQ (NORMAL CrO_2 METAL) SW
   (Fe_2O_3 NORMAL POSITION)
4. S104-1~S104-4
   NR & MPX SW
   (NR & MPX OFF, NR & MPX ON, NR & MPX OFF)
   (NR & MPX OFF POSITION)
5. S105-1~S105-4
   INPUT SELECT & LINE MUTE SW
   (MIC/DIN, LINE, LINE MUTE)
   MIC/DIN POSITION
6. S106-1~S106-2
   MEMORY SW
   (MEMORY OFF POSITION)
7. THE FOLLOWING PARTS WILL BE CHANGED WHEN DOLBY IC101, 102 ARE REPLACED FROM LM1011N TO NE645B.

	NE645	LM1011N
R229.230	180K 1/4 W	—
R231, 232 233, 234	1K 1/2 W	—
C145, 146	—	10μ-16V
R173, 174	—	270K
R177, 178	—	560K

8 THIS SCHEMATIC DIAGRAM WILL BE CHANGED WHEN DOLBY LAB'S RECOMENDATION MAKE IT NECESSARY.

TD1 SF1R3B41 2P1M M23C
D3 10E2 1S1886 F14B
PL1 CASSETE LAMP
Q1,2 2SC373, 2SC945, 2SC828

IC101~104
R101~R300, C101~C219
L101~L108, S101~S105
Q101~Q118, VR101~108
CT101~102
D101~114, ZD103
E101~E106, E1~E8
PL1, D1~D2
T1, T101, S1~S4

K-5A (E-TYPE)

SPECIFICATIONS

Heads:	2 head (sendust) Record/Playback Head x 1 Erase Head x 1
Wow & Flutter:	no more than 0.06% (W.R.M.S.)
Signal-to-Noise Ratio:	better than 58dB (DOLBY* OFF) . . . metal tape better than 65dB (DOLBY* ON) . . . metal tape better than 56dB (DOLBY* OFF) . . . CrO_2 tape better than 63dB (DOLBY* ON) . . . CrO_2 tape better than 50dB (DOLBY* OFF) . . . LH tape better than 60dB (DOLBY* ON) . . . LH tape
Frequency Response:	30 - 20,000Hz (metal tape) 30 - 18,000Hz (CrO_2) 30 - 16,000Hz (LH tape)
Overall Distortion:	no more than 1.5% (LH tape, 1kHz, 0dB)
Real Analyzed Distortion:	no more than 0.7% (LH tape, 1kHz, 0dB)
Input Sensitivity:	line in; 100mV mic.; 0.45mV (recommended microphone impedance: 600~10k ohms) DIN.; 2mV/1k ohms
Output Level:	line in; 580mV headphone 1mW (8 ohms load)
Additional Features:	REC. MUTE function, Bias Fine Adjuster, 3-position Bias/Equalizer Selector (CrO_2, normal metal), Peak Indicator, Memory Counter, Dolby* Noise Reduction system, Headphone Jack
Power Consumption:	20 W
Dimensions:	438(W) x 264(D) x 150(H) (17-1/4" x 10-3/8" x 5-29/32") (including Leg, Rear Protrusions & Knobs)
Weight:	Net 5.8 kgs (12.8 lbs.) Gross 6.8 kgs (15.0 lbs.)

Specifications and appearance design subject to change without notice.